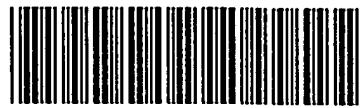


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/028,384A
Source: 1Fw/6
Date Processed by STIC: 5/5/05

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 05/05/2005

PATENT APPLICATION: US/10/028,384A

TIME: 11:36:58

Input Set : A:\5600-74 Sequence Listing CRF.TXT

Output Set: N:\CRF4\05052005\J028384A.raw

3 <110> APPLICANT: Perrault, Claude
 4 McBride, Kevin
 6 <120> TITLE OF INVENTION: MAMMALIAN SIMP, GENE SEQUENCE AND USES THEREOF IN CANCER
 THERAPY
 8 <130> FILE REFERENCE: 5600-74
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/028,384A
 11 <141> CURRENT FILING DATE: 2001-12-20
 13 <160> NUMBER OF SEQ ID NOS: 320
 15 <170> SOFTWARE: PatentIn version 3.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 2481
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Homo sapiens
 22 <220> FEATURE:
 23 <221> NAME/KEY: CDS
 24 <222> LOCATION: (1)..(2481)
 26 <400> SEQUENCE: 1
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 28 Met Ala Glu Pro Ser Ala Pro Glu Ser Lys His Lys Ser Ser Leu Asn
 29 1 5 10 15
 31 tcg tcc ccg tgg agt ggc ctc atg gcc ctg gga aac agc cgcc cac ggc 96
 32 Ser Ser Pro Trp Ser Gly Leu Met Ala Leu Gly Asn Ser Arg His Gly
 33 20 25 30
 35 cac cac ggg ccc ggg gcc cag tgc gcg cac aag gcg gcg ggc ggc gcg 144
 36 His His Gly Pro Gly Ala Gln Cys Ala His Lys Ala Ala Gly Gly Ala
 37 35 40 45
 39 gcg ccg aag ccg gcc ccg gcg ggg ctg tcc ggg ggg ctg tcg cag 192
 40 Ala Pro Pro Lys Pro Ala Pro Ala Gly Leu Ser Gly Gly Leu Ser Gln
 41 50 55 60
 43 ccg gct ggg tgg cag tcg ctt ctc tcc ttc acc atc ctc ttc ctg gcc 240
 44 Pro Ala Gly Trp Gln Ser Leu Leu Ser Phe Thr Ile Leu Phe Leu Ala
 45 65 70 75 80
 47 tgg ctt gcc ggc ttc agc tcg cgc ctc ttc gcc gtc atc cgc ttc gaa 288
 48 Trp Leu Ala Gly Phe Ser Ser Arg Leu Phe Ala Val Ile Arg Phe Glu
 49 85 90 95
 51 agc atc atc cac gag ttc gac ccg tgg ttt aac tat aga tca aca cat 336
 52 Ser Ile Ile His Glu Phe Asp Pro Trp Phe Asn Tyr Arg Ser Thr His
 53 100 105 110
 55 cat ctt gca tct cat ggg ttc tat gaa ttt tta aat tgg ttt gat gaa 384
 56 His Leu Ala Ser His Gly Phe Tyr Glu Phe Leu Asn Trp Phe Asp Glu
 57 115 120 125
 59 aga gca tgg tat cca cta gga aga ata gta ggt ggt act gtt tac cca 432
 60 Arg Ala Trp Tyr Pro Leu Gly Arg Ile Val Gly Gly Thr Val Tyr Pro
 61 130 135 140

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Input Set : A:\5600-74 Sequence Listing CRF.TXT
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63	ggg ttg atg ata acc gct ggc ctt att cat tgg att tta aat aca ttg	480
64	Gly Leu Met Ile Thr Ala Gly Leu Ile His Trp Ile Leu Asn Thr Leu	
65	145 150 155 160	
67	aac ata act gtt cac ata aga gac gta tgt gtg ttc ctt gca cca act	528
68	Asn Ile Thr Val His Ile Arg Asp Val Cys Val Phe Leu Ala Pro Thr	
69	165 170 175	
71	ttt agc ggc ctt aca tct ata tct act ttc ctg ctt aca aga gaa ctt	576
72	Phe Ser Gly Leu Thr Ser Ile Ser Thr Phe Leu Leu Thr Arg Glu Leu	
73	180 185 190	
75	tgg aac caa gga gca gga ctt tta gct gct tgt ttt att gct att gta	624
76	Trp Asn Gln Gly Ala Gly Leu Leu Ala Ala Cys Phe Ile Ala Ile Val	
77	195 200 205	
79	cca ggc tac ata tct cgg tca gta gct gga tcc ttt gat aat gaa ggc	672
80	Pro Gly Tyr Ile Ser Arg Ser Val Ala Gly Ser Phe Asp Asn Glu Gly	
81	210 215 220	
83	att gct att ttt gca ctt cag ttc aca tac tat tta tgg gta aaa tct	720
84	Ile Ala Ile Phe Ala Leu Gln Phe Thr Tyr Tyr Leu Trp Val Lys Ser	
85	225 230 235 240	
87	gta aaa act ggg tca gtt ttt tgg aca atg tgc tgc tgc tta tcc tat	768
88	Val Lys Thr Gly Ser Val Phe Trp Thr Met Cys Cys Cys Leu Ser Tyr	
89	245 250 255	
91	ttc tat atg gtc tct gct tgg ggt ggt tat gta ttt atc atc aat ctt	816
92	Phe Tyr Met Val Ser Ala Trp Gly Gly Tyr Val Phe Ile Ile Asn Leu	
93	260 265 270	
95	att cca ctg cat gta ttt gtg ttg tta ctg atg cag aga tac agc aaa	864
96	Ile Pro Leu His Val Phe Val Leu Leu Met Gln Arg Tyr Ser Lys	
97	275 280 285	
99	aga gtc tac ata gca tat agc act ttc tac att gtc ggt tta ata tta	912
100	Arg Val Tyr Ile Ala Tyr Ser Thr Phe Tyr Ile Val Gly Leu Ile Leu	
101	290 295 300	
103	tca atg cag ata cct ttt gtg gga ttc cag cca atc aga aca aca agt gaa	960
104	Ser Met Gln Ile Pro Phe Val Gly Phe Gln Pro Ile Arg Thr Ser Glu	
105	305 310 315 320	
107	cac atg gca gct gca ggt gtc ttt gca ttg ctg caa gct tat gct ttc	1008
108	His Met Ala Ala Ala Gly Val Phe Ala Leu Leu Gln Ala Tyr Ala Phe	
109	325 330 335	
111	ttg cag tat ctg aga gac cga tta aca aaa caa gag ttc cag acc ctt	1056
112	Leu Gln Tyr Leu Arg Asp Arg Leu Thr Lys Gln Glu Phe Gln Thr Leu	
113	340 345 350	
115	ttc ttt ttg ggt gta tca cta gct gca ggt gct gtc ttc ctt agt gtc	1104
116	Phe Phe Leu Gly Val Ser Leu Ala Ala Gly Ala Val Phe Leu Ser Val	
117	355 360 365	
119	atc tat ttg act tat aca ggt tac att gca cca tgg agt ggc agg ttt	1152
120	Ile Tyr Leu Thr Tyr Thr Gly Tyr Ile Ala Pro Trp Ser Gly Arg Phe	
121	370 375 380	
123	tat tca ttg tgg gat act ggg tat gca aaa ata cac att cca att att	1200
124	Tyr Ser Leu Trp Asp Thr Gly Tyr Ala Lys Ile His Ile Pro Ile Ile	
125	385 390 395 400	
127	gca tca gtg tct gag cat caa cct acg act tgg gtg tct ttc ttt	1248

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Input Set : A:\5600-74 Sequence Listing CRF.TXT
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128	Ala	Ser	Val	Ser	Glu	His	Gln	Pro	Thr	Thr	Trp	Val	Ser	Phe	Phe		
129					405					410				415			
131	gat	cta	cat	att	ctt	gta	tgt	acc	ttc	cca	gca	ggc	ctt	tgg	ttc	tgc	1296
132	Asp	Leu	His	Ile	Leu	Val	Cys	Thr	Phe	Pro	Ala	Gly	Leu	Trp	Phe	Cys	
133					420					425				430			
135	atc	aaa	aat	atc	aac	gat	gaa	aga	gtt	ttt	gct	cta	tat	gca	atc		1344
136	Ile	Lys	Asn	Ile	Asn	Asp	Glu	Arg	Val	Phe	Val	Ala	Leu	Tyr	Ala	Ile	
137					435					440				445			
139	agt	gct	gtc	tac	ttt	gct	gga	gtg	atg	gtg	cga	ctg	atg	ttg	act	ttg	1392
140	Ser	Ala	Val	Tyr	Phe	Ala	Gly	Val	Met	Val	Arg	Leu	Met	Leu	Thr	Leu	
141					450					455				460			
143	act	cca	gtc	gtg	tgt	atg	ctg	tct	gca	att	gcc	ttt	tca	aat	gtt	ttt	1440
144	Thr	Pro	Val	Val	Cys	Met	Leu	Ser	Ala	Ile	Ala	Phe	Ser	Asn	Val	Phe	
145	465					470					475				480		
147	gag	cac	tat	ttg	ggg	gat	gac	atg	aaa	agg	gaa	aat	cca	cct	gtg	gag	1488
148	Glu	His	Tyr	Leu	Gly	Asp	Asp	Met	Lys	Arg	Glu	Asn	Pro	Pro	Val	Glu	
149					485					490				495			
151	gac	agc	agt	gat	gag	gat	gac	aaa	aga	aac	caa	gga	aat	ttg	tat	gat	1536
152	Asp	Ser	Ser	Asp	Glu	Asp	Asp	Lys	Arg	Asn	Gln	Gly	Asn	Leu	Tyr	Asp	
153					500					505				510			
155	aag	gca	ggt	aaa	gtg	agg	aaa	cat	gca	act	gaa	cag	gaa	aaa	act	gaa	1584
156	Lys	Ala	Gly	Lys	Val	Arg	Lys	His	Ala	Thr	Glu	Gln	Glu	Lys	Thr	Glu	
157					515					520				525			
159	gag	gga	tta	ggc	cct	aat	ata	aaa	agc	att	gtc	acc	atg	ttg	atg	ctg	1632
160	Glu	Gly	Leu	Gly	Pro	Asn	Ile	Lys	Ser	Ile	Val	Thr	Met	Leu	Met	Leu	
161					530					535				540			
163	atg	cta	ttg	atg	atg	ttt	gct	gtc	cac	tgt	acc	tgg	gtc	aca	agc	aat	1680
164	Met	Leu	Leu	Met	Met	Phe	Ala	Val	His	Cys	Thr	Trp	Val	Thr	Ser	Asn	
165	545					550					555				560		
167	gcc	tac	tct	agt	cca	agt	gta	gtc	ctg	gcc	tca	tac	aat	cat	gat	ggc	1728
168	Ala	Tyr	Ser	Ser	Pro	Ser	Val	Val	Leu	Ala	Ser	Tyr	Asn	His	Asp	Gly	
169					565					570				575			
171	acc	agg	aat	atc	tta	gat	gat	ttt	aga	gaa	gct	tac	ttt	tgg	cta	agg	1776
172	Thr	Arg	Asn	Ile	Leu	Asp	Asp	Phe	Arg	Glu	Ala	Tyr	Phe	Trp	Leu	Arg	
173					580					585				590			
175	caa	aat	aca	gat	gaa	cat	gca	cga	gtt	atg	tct	tgg	tgg	aat	ttt	ggc	1824
176	Gln	Asn	Thr	Asp	Glu	His	Ala	Arg	Val	Met	Ser	Trp	Trp	Asp	Tyr	Gly	
177					595					600				605			
179	tat	cag	ata	gct	gga	atg	gct	aat	aga	act	acg	ttg	gtg	aat	aac		1872
180	Tyr	Gln	Ile	Ala	Gly	Met	Ala	Asn	Arg	Thr	Thr	Leu	Val	Asp	Asn	Asn	
181					610					615				620			
183	acc	tgg	aat	aac	agc	cac	ata	gca	ctg	gtg	gga	aaa	gct	atg	tct	tct	1920
184	Thr	Trp	Asn	Asn	Ser	His	Ile	Ala	Leu	Val	Gly	Lys	Ala	Met	Ser	Ser	
185	625					630					635				640		
187	aat	gaa	aca	gca	gcc	tat	aaa	atc	atg	agg	act	cta	gat	gta	aat	ttt	1968
188	Asn	Glu	Thr	Ala	Ala	Tyr	Lys	Ile	Met	Arg	Thr	Leu	Asp	Val	Asp	Tyr	
189					645					650				655			
191	gtt	ttg	gtt	att	ttt	gga	ggg	gtt	att	ggc	tat	tct	ggt	aat	gtc	atc	2016
192	Val	Leu	Val	Ile	Phe	Gly	Val	Ile	Gly	Tyr	Ser	Gly	Asp	Asp	Ile		

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193	660	665	670	
195	aac aaa ttt ctc tgg atg gtt agg ata gct gaa gga gaa cat ccc aaa			2064
196	Asn Lys Phe Leu Trp Met Val Arg Ile Ala Glu Gly Glu His Pro Lys			
197	675	680	685	
199	gac att cgg gaa agt gac tat ttt acc cca cag gga gaa ttc cgt gta			2112
200	Asp Ile Arg Glu Ser Asp Tyr Phe Thr Pro Gln Gly Glu Phe Arg Val			
201	690	695	700	
203	gac aaa gca gga tcc cct act ttg ttg aat tgc ctt atg tat aaa atg			2160
204	Asp Lys Ala Gly Ser Pro Thr Leu Leu Asn Cys Leu Met Tyr Lys Met			
205	705	710	715	720
207	tca tac tac aga ttt gga gaa atg cag ctg gat ttt cgt aca ccc cca			2208
208	Ser Tyr Tyr Arg Phe Gly Glu Met Gln Leu Asp Phe Arg Thr Pro Pro			
209	725	730	735	
211	ggt ttt gac cga aca cgt aat gct gag att gga aat aag gac att aaa			2256
212	Gly Phe Asp Arg Thr Arg Asn Ala Glu Ile Gly Asn Lys Asp Ile Lys			
213	740	745	750	
215	ttc aaa cat ttg gaa gaa gcc ttt aca tca gaa cac tgg ctt gtt agg			2304
216	Phe Lys His Leu Glu Glu Ala Phe Thr Ser Glu His Trp Leu Val Arg			
217	755	760	765	
219	ata tat aaa gta aaa gca cct gat aac agg gag aca tta gat cac aaa			2352
220	Ile Tyr Lys Val Lys Ala Pro Asp Asn Arg Glu Thr Leu Asp His Lys			
221	770	775	780	
223	cct cga gtc acc aac att ttc cca aaa cag aag tat ttg tca aag aag			2400
224	Pro Arg Val Thr Asn Ile Phe Pro Lys Gln Lys Tyr Leu Ser Lys Lys			
225	785	790	795	800
227	act acc aaa agg aag cgt ggc tac att aaa aat aag ctg gtt ttt aag			2448
228	Thr Thr Lys Arg Lys Arg Gly Tyr Ile Lys Asn Lys Leu Val Phe Lys			
229	805	810	815	
231	aaa ggc aag aaa ata tct aag aag act gtt taa			2481
232	Lys Gly Lys Lys Ile Ser Lys Lys Thr Val			
233	820	825		
236	<210> SEQ ID NO: 2			
237	<211> LENGTH: 826			
238	<212> TYPE: PRT			
239	<213> ORGANISM: Homo sapiens			
241	<400> SEQUENCE: 2			
243	Met Ala Glu Pro Ser Ala Pro Glu Ser Lys His Lys Ser Ser Leu Asn			
244	1	5	10	15
247	Ser Ser Pro Trp Ser Gly Leu Met Ala Leu Gly Asn Ser Arg His Gly			
248	20	25	30	
251	His His Gly Pro Gly Ala Gln Cys Ala His Lys Ala Ala Gly Gly Ala			
252	35	40	45	
255	Ala Pro Pro Lys Pro Ala Pro Ala Gly Leu Ser Gly Gly Leu Ser Gln			
256	50	55	60	
259	Pro Ala Gly Trp Gln Ser Leu Leu Ser Phe Thr Ile Leu Phe Leu Ala			
260	65	70	75	80
263	Trp Leu Ala Gly Phe Ser Ser Arg Leu Phe Ala Val Ile Arg Phe Glu			
264	85	90	95	
267	Ser Ile Ile His Glu Phe Asp Pro Trp Phe Asn Tyr Arg Ser Thr His			

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268	100	105	110
271	His Leu Ala Ser His Gly Phe Tyr Glu Phe Leu Asn Trp Phe Asp Glu		
272	115	120	125
275	Arg Ala Trp Tyr Pro Leu Gly Arg Ile Val Gly Gly Thr Val Tyr Pro		
276	130	135	140
279	Gly Leu Met Ile Thr Ala Gly Leu Ile His Trp Ile Leu Asn Thr Leu		
280	145	150	155
283	Asn Ile Thr Val His Ile Arg Asp Val Cys Val Phe Leu Ala Pro Thr		
284	165	170	175
287	Phe Ser Gly Leu Thr Ser Ile Ser Thr Phe Leu Leu Thr Arg Glu Leu		
288	180	185	190
291	Trp Asn Gln Gly Ala Gly Leu Leu Ala Ala Cys Phe Ile Ala Ile Val		
292	195	200	205
295	Pro Gly Tyr Ile Ser Arg Ser Val Ala Gly Ser Phe Asp Asn Glu Gly		
296	210	215	220
299	Ile Ala Ile Phe Ala Leu Gln Phe Thr Tyr Tyr Leu Trp Val Lys Ser		
300	225	230	235
303	Val Lys Thr Gly Ser Val Phe Trp Thr Met Cys Cys Cys Leu Ser Tyr		
304	245	250	255
307	Phe Tyr Met Val Ser Ala Trp Gly Gly Tyr Val Phe Ile Ile Asn Leu		
308	260	265	270
311	Ile Pro Leu His Val Phe Val Leu Leu Leu Met Gln Arg Tyr Ser Lys		
312	275	280	285
315	Arg Val Tyr Ile Ala Tyr Ser Thr Phe Tyr Ile Val Gly Leu Ile Leu		
316	290	295	300
319	Ser Met Gln Ile Pro Phe Val Gly Phe Gln Pro Ile Arg Thr Ser Glu		
320	305	310	315
323	His Met Ala Ala Ala Gly Val Phe Ala Leu Leu Gln Ala Tyr Ala Phe		
324	325	330	335
327	Leu Gln Tyr Leu Arg Asp Arg Leu Thr Lys Gln Glu Phe Gln Thr Leu		
328	340	345	350
331	Phe Phe Leu Gly Val Ser Leu Ala Ala Gly Ala Val Phe Leu Ser Val		
332	355	360	365
335	Ile Tyr Leu Thr Tyr Thr Gly Tyr Ile Ala Pro Trp Ser Gly Arg Phe		
336	370	375	380
339	Tyr Ser Leu Trp Asp Thr Gly Tyr Ala Lys Ile His Ile Pro Ile Ile		
340	385	390	395
343	400	405	410
344	415	420	425
347	430	435	440
348	445	450	455
351	460	465	470
352	475	480	485
355	490	495	
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359			
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/028,384A

DATE: 05/05/2005

TIME: 11:36:59

Input Set : A:\5600-74 Sequence Listing CRF.TXT

Output Set: N:\CRF4\05052005\J028384A.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number